

100-F/IU Area ROD

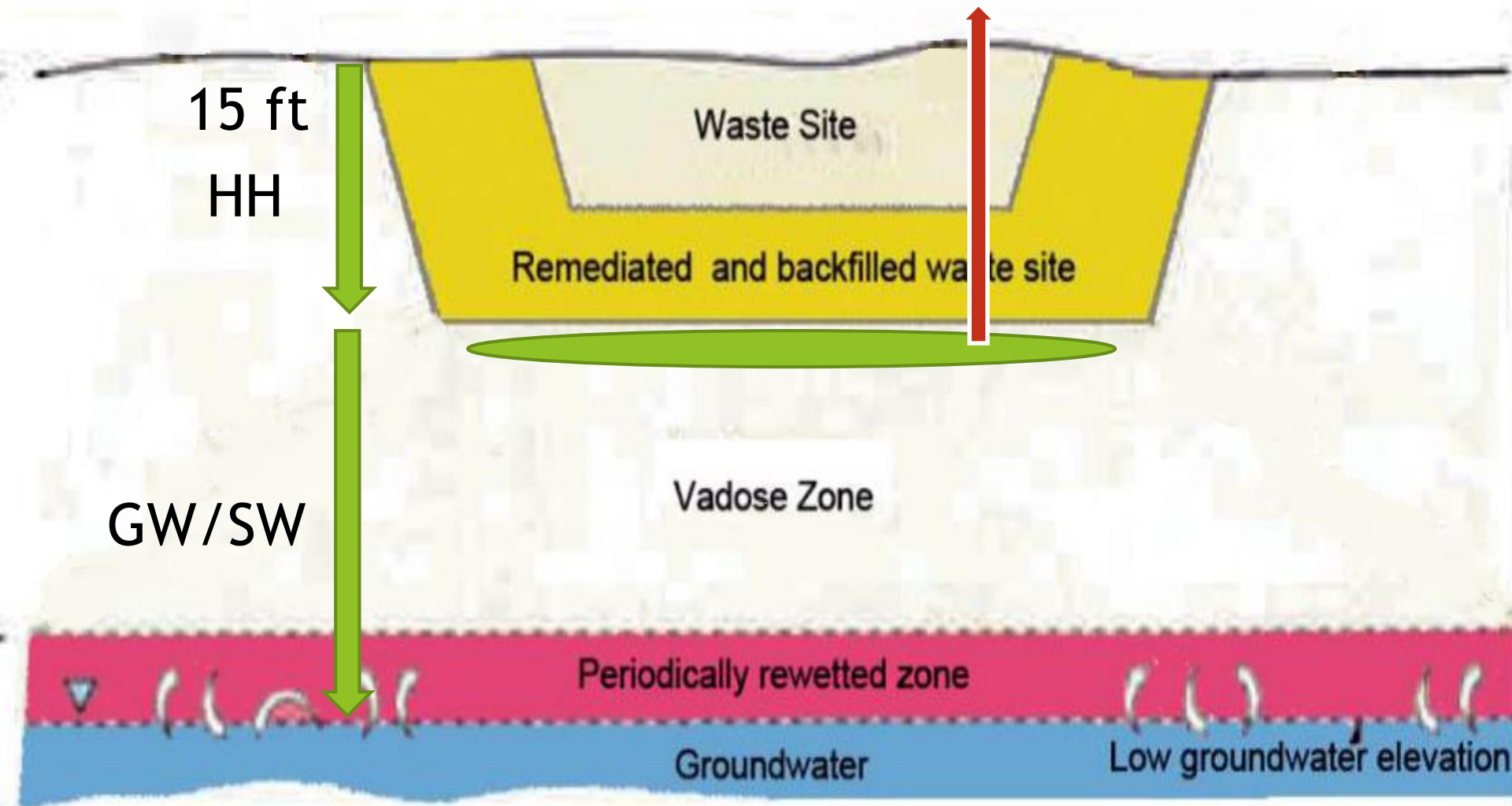
Christopher Guzzetti

US EPA

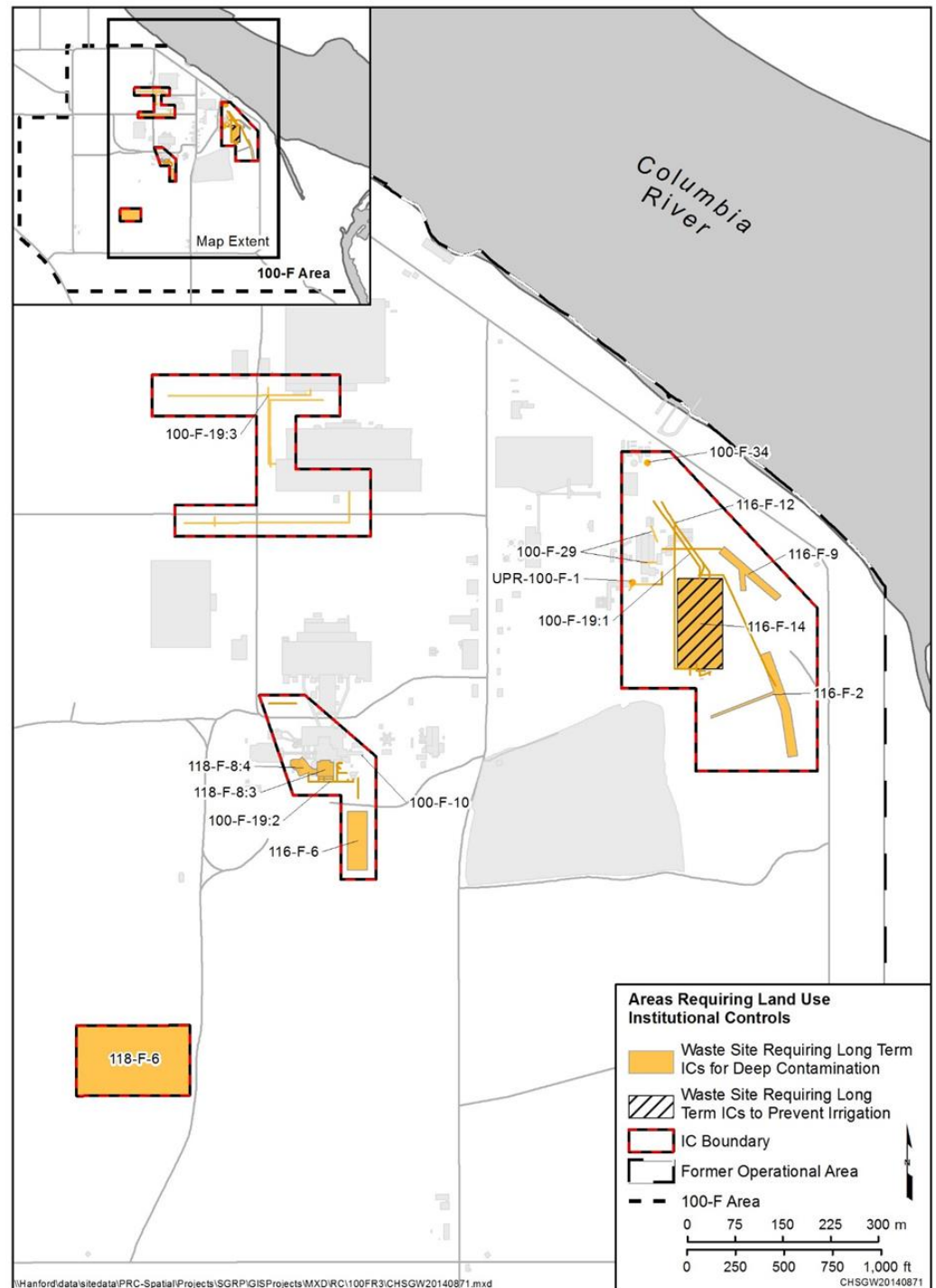
Topics

- ▶ 15 waste sites with ICs for contamination at depth
- ▶ 1 waste site with IC for Irrigation
- ▶ MNA for Groundwater

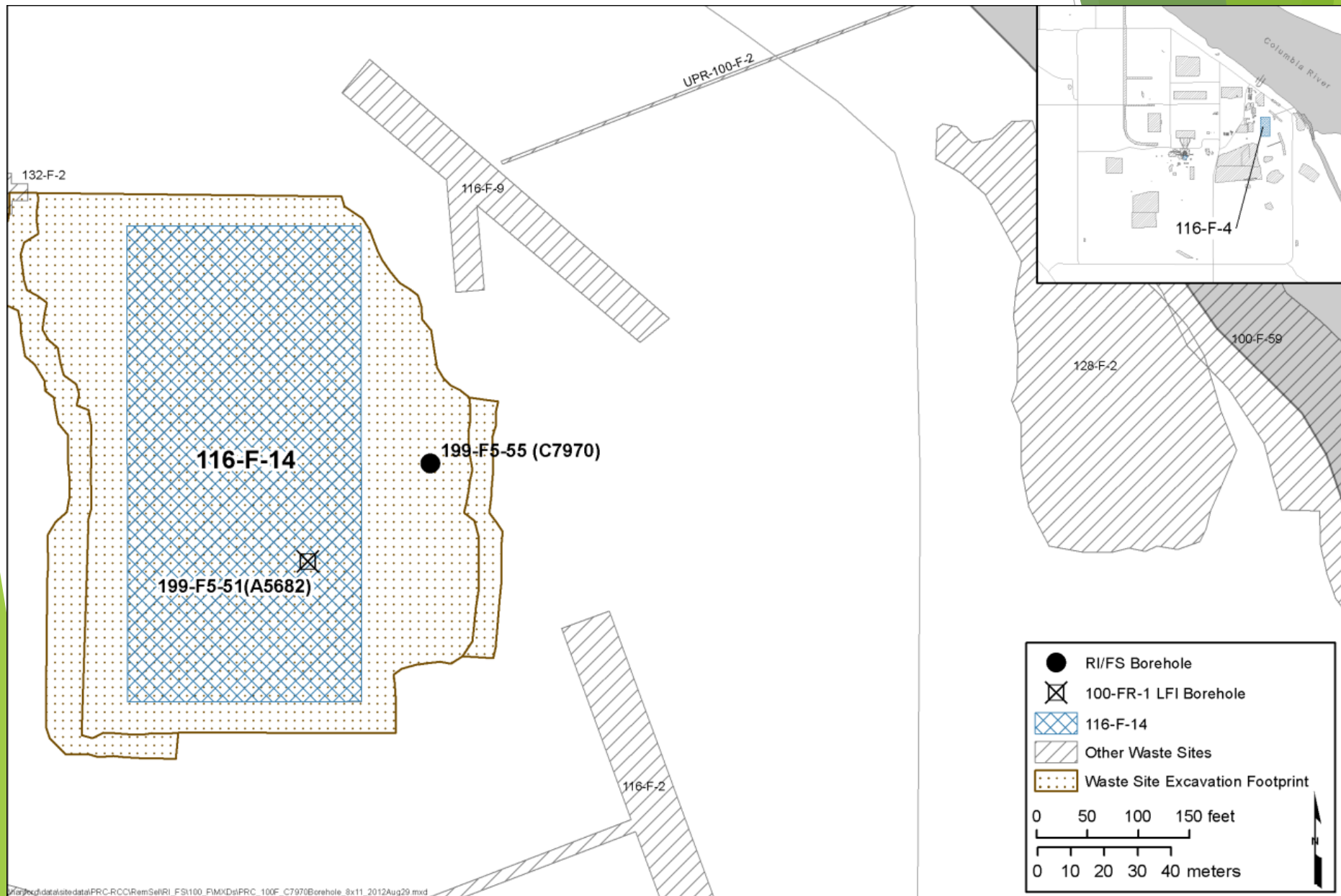
15 waste sites with deep ICs



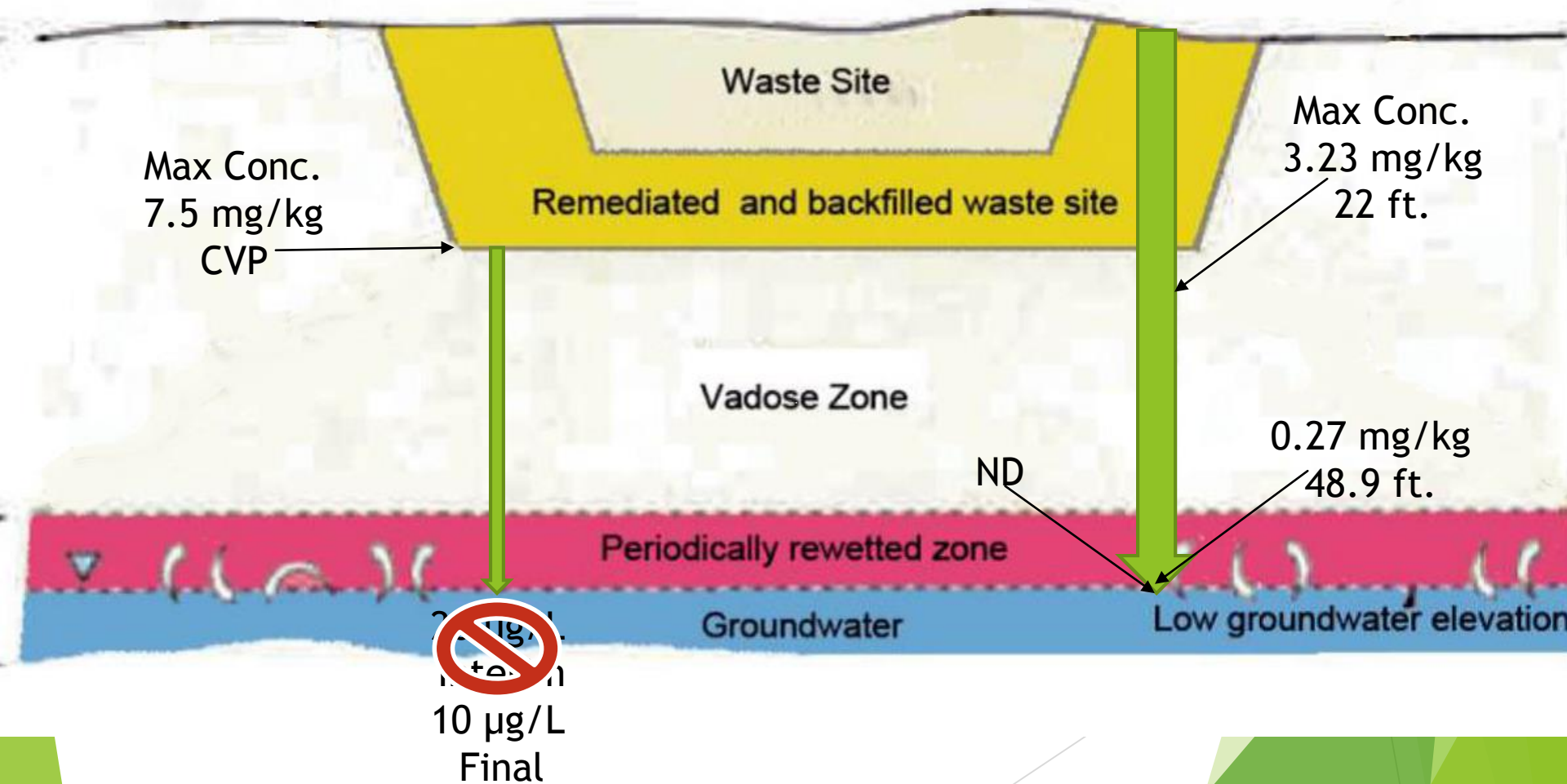
IC Boundaries



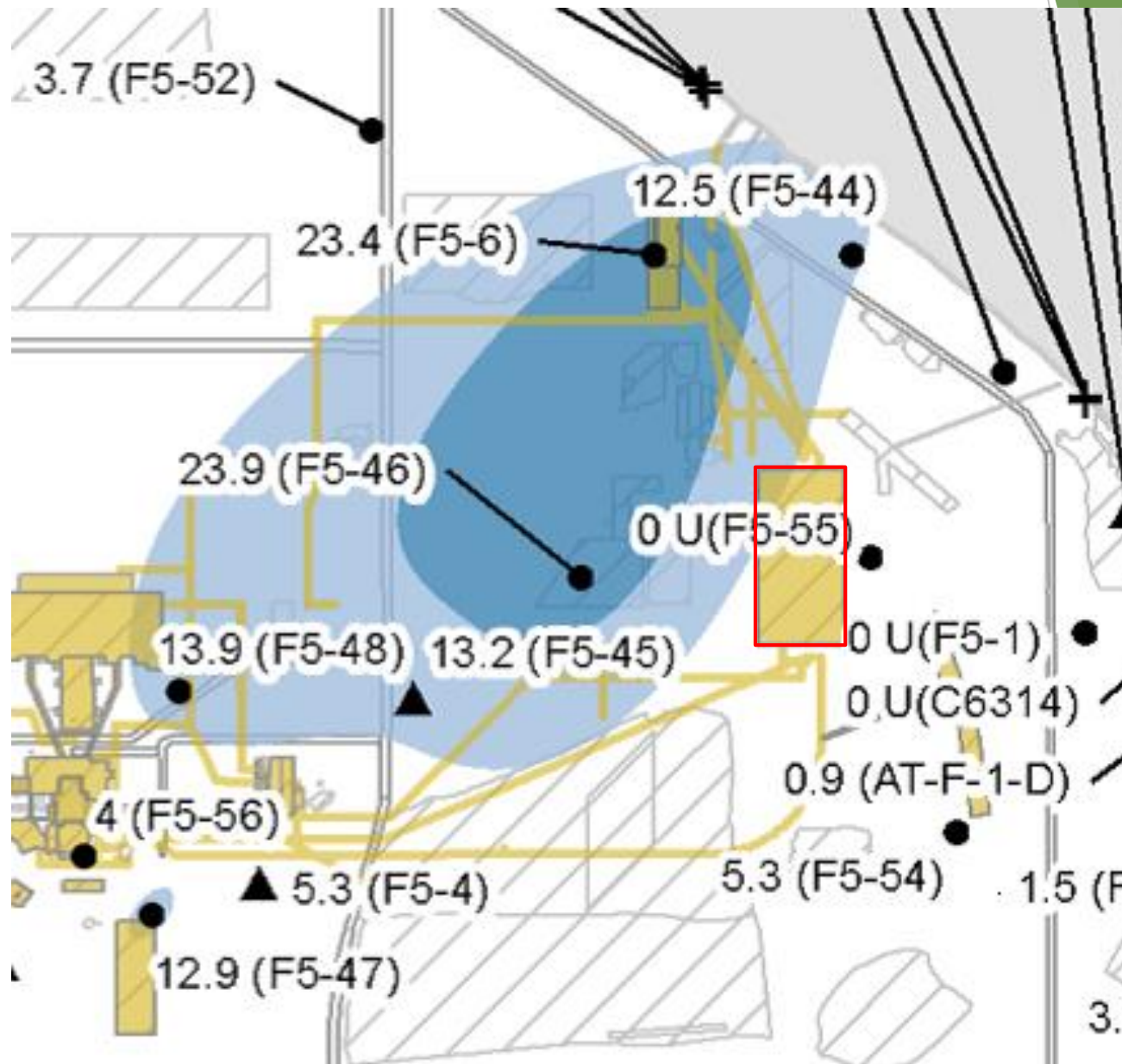
Waste site with IC for Irrigation



Waste site with IC for Irrigation



Waste Site vs. Cr6 Plume



MNA for Groundwater

- ▶ Timeframes to achieve cleanup levels are based on the maximum concentration ever observed in a monitoring well.
 - ▶ Sr-90 - 285 pCi/L in 2011
 - ▶ 2014 - 93 and 144 pCi/L
- ▶ PRB technology does not destroy or eliminate the Sr-90, it only further immobilizes it.
 - ▶ PRB is effectively being applied at 100-N where there is significantly higher contamination levels than those observed at the 100-F.
 - ▶ 144 pCi/L versus 15,500 pCi/L (2014)

11 New Wells

